Shamak Dutta

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GitHub/shamak • LinkedIn/shamakdutta • DevPost/shamak

https://shamak.github.io/

Technical Skills

Languages: Python = Ruby > Java > PHP > C++ > JavaScript

Datastores/Frameworks: ElasticSearch, MySQL, Redis, Rails, Django, NLTK, Matlab

Interests: Text Analytics, Machine Learning, Distributed Computing

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Work Experience

Lookout   **San Francisco, CA**
Software Engineer, Security & Infrastructure   *May 2015 - August 2015*

- Shipped a review system for a rules engine used to automatically triage malicious apps
- Co-developed a custom boolean search algorithm in Ruby over 30 million applications
- Won a hackathon by developing a scoring algorithm to gamify code reviews with leaderboards; Processed thousands of code reviews to display metrics over projects
- Ideated full text string search with 300 thousand unique strings over millions of apps

Avvasi   **Waterloo, ON**
Software Engineer, Platform   *September 2014 - December 2014*

- Independently shipped a network testing framework using Python automating workflow and reducing intervention of the hardware manufacturing team
- Wrote firmware code in C++ to patch bugs and stress test computer blades

Achievers   **Toronto, ON**
Software Developer   *January 2014 - April 2014*

- Shipped several internal tools used by the client services and marketing teams
- Developed cron jobs for a email notification system for thousands of users in PHP
- Built a web app, mining data from NASA APIs to display information about asteroids

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Research & Projects

- Undergraduate Research Assistant in deep learning of neural networks using opposites
- Full text search on **PianoShelf** for ~4000 users, ~2500 sheet music using ElasticSearch
- **Android app** for requesting/posting carpool rides; Won an award at hackWaterloo
- **Android app** simplifying event scheduling between friends developed at HackTheNorth

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Education

University of Waterloo   **Waterloo, ON**
Candidate for Bachelors of Computer Engineering   *September 2012 - Present*